

SERIES SC 280 - SC 380 | SINGLE STAGE HP CARTRIDGE REGULATOR

- Diaphragm Single Stage
- Purity up to 6.0
- Inlet Pressure:
200 bar (2900 psi)
300 bar (4350 psi)
- Outlet Pressure:
1,5/4/10/16/35/50 bar
21.75/58/145/232/508/
725 psi

- ★ Compact and lightweight design
- ★ 1 Inlet / 1 Outlet
- ★ O₂ application compatible (see technical data)
- ★ Inlet / Outlet pressure gauge
- ★ Rear threads for panel mounting
- ★ 1 relief valve

Special requirements on request

APPLICATIONS

- Designed for cylinder regulator applications
- Ideally suited for pure, inert and corrosive gas
- Applications such as:
 - Calibration gases
 - Controlled atmosphere
 - High purity gas carrying

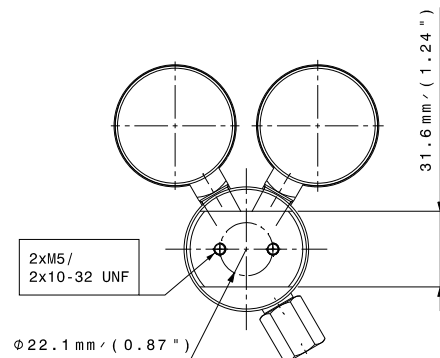
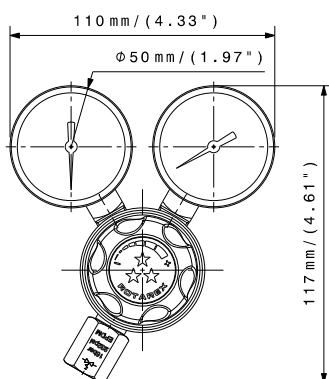
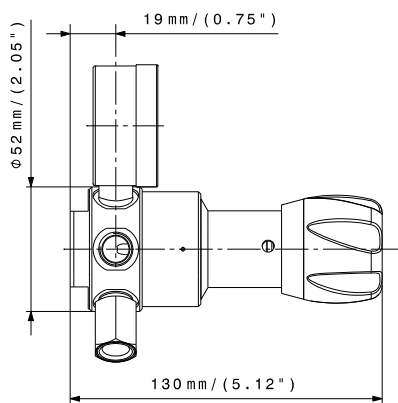
KEY FEATURES

- This single stage regulator is based on the Cartridge seat Technology.
- Compact, ergonomic and lightweight design makes this regulator suitable for many applications.
- Accurate pressure control for reliable service.
- Handwheel in compliance with ATEX regulation and easy to clean
- Could be equipped with a shut off valve
- Relief valve seat seals material*
 - Brass Version: EPDM
 - Stainless Steel: FPM

*Other on demand



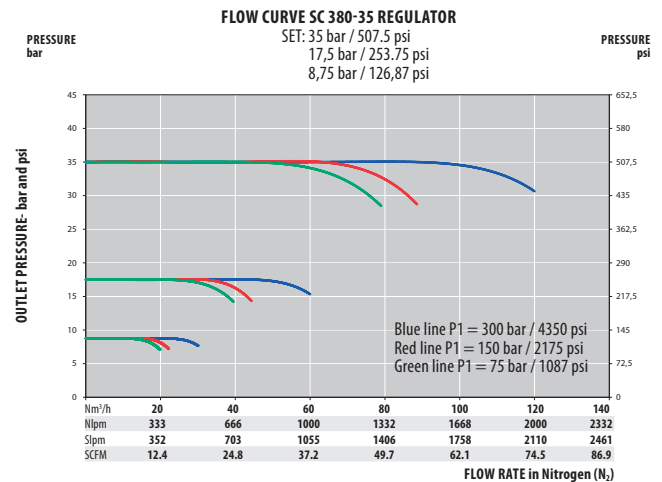
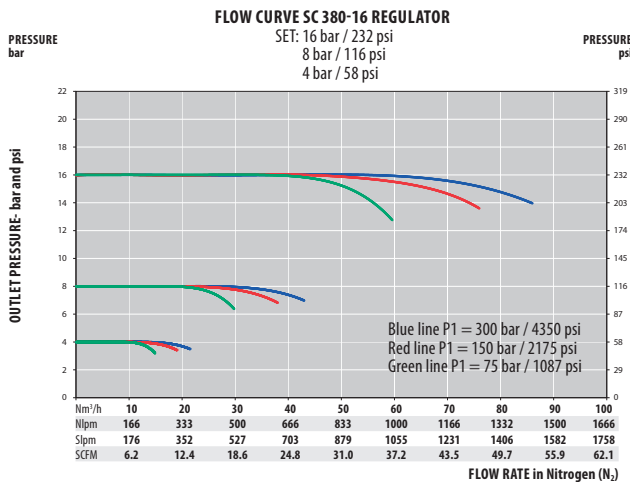
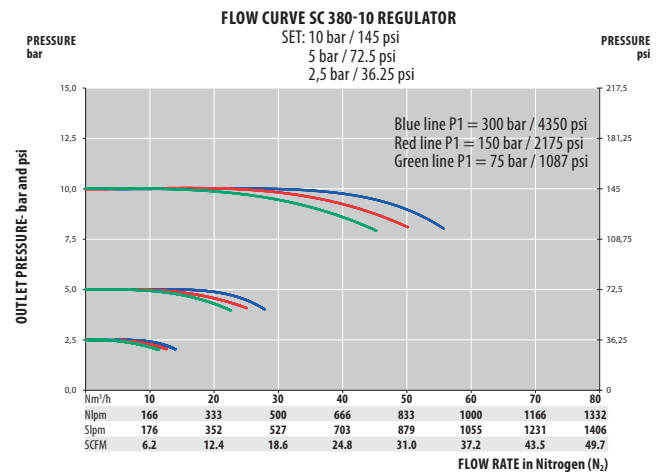
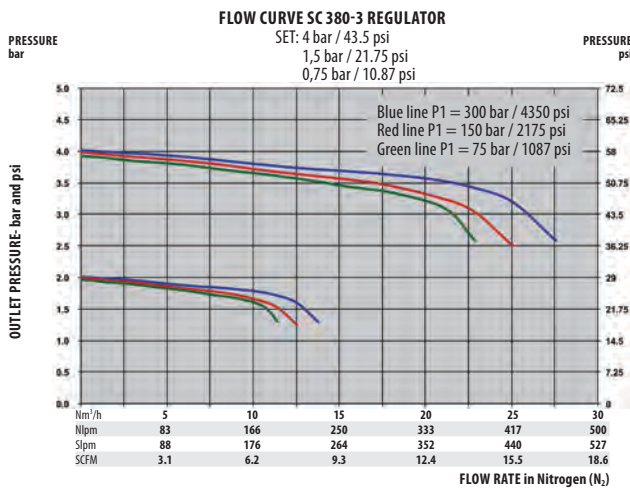
To be connected with cylinder connectors



SPECIFICATIONS

Female ports	¼" NPT (inlet / outlet)	Weight	± 1,1 kg ± 2.4 lbs	Inlet pressure	200/300 bar 2900/4350 psi
Valve seal	PCTFE	Leak rate	10 ⁻⁸ mbar ℓ/s He	Outlet pressure	1,5/4/10/16/35/50 bar 21.75/58/145/232/508/725 psi
O-ring	PTFE	Temperature range	- 40°C to + 60°C - 40°F to + 140°F	Nominal Flow Cv	1/2/10/20/30 Nm³/h (N₂) 0.1
Diaphragm	Hastelloy®	Gauges	High and low pressure (¼ NPT)	Oxygen use	OK with brass and stainless steel

FLOW CURVES



PRODUCT CONFIGURATOR

	Body Material	Inlet Pressure	Port Configuration	Outlet pressure	Inlet Connection	Outlet Connection	Gauges	Gas Type
SC	L	280	R	10	N	N	1	N2
	Chrome plated brass	L 200 bar 2900 psi	280 Right inlet	R 1,5 bar 21.75 psi	1,5 ¼ NPT	N ¼ NPT	N With	1
	Stainless steel	I 300 bar 4350 psi	380 Left inlet	L 4 bar 58 psi	4			
				10 bar 145 psi	10			
				16 bar 232 psi	16			
				35 bar 508 psi	35			
				50 bar 725 psi	50			